

SPECIFICATIONS SUBMERSIBLE LULA 1000:

builder (design/construction): Rebikoff-Niggeler Foundation

diving depth: 1000 metres

crew: 3

length over all: 750 cm

beam: 160 cm

height: 265 cm

hull builder: Gebr. Quast GmbH & Co. KG

classification: German Lloyd Hamburg

propulsion underwater: 5 electric motors w/ 3,3 KW each

front viewport: 1414 mm; 150°

hatch: 610mm; 150°

navigation: chart plotter, 360°-sonar, fluxgate compass, doppler velocity log, pinger locator, depth sounder, USBL underwater navigation system (GPS position underwater), auto pilot

cameras; 4K-HD video camera in underwater housing on pan-and-tilt mechanism, mounted on vertical column

illumination: 4 x HMI 400W; 6 x HMI 200W

data collection: CTD sensor (CTD, O2, turbidity, salinity, pH, temperature)

sediment suction: 1 x 3,3 KW electric motor, 80mm tube in sediment box

manipulator: 5 functions, with capacity for lifting 25 kg

sampling box: hydraulically retractable, 50 litres capacity, thermally insulated